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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/652,664	08/28/2003	Yung Nan Liu	17620R-002000US	1898
20350	7590 11/01)4	EXAMINER	
	ND AND TOWNS	LARKIN, DA	LARKIN, DANIEL SEAN	
TWO EMBARCADERO CENTER EIGHTH FLOOR SAN FRANCISCO, CA 94111-3834			ART UNIT	PAPER NUMBER
			2856	
			DATE MAILED: 11/01/200-	4

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Action Summary			Applicant(s)			
		10/652,664	LIU ET AL.			
	Office Action Summary	Examiner	Art Unit			
		Daniel S. Larkin	2856			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
THE I - Exter after - If the - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR RE MAILING DATE OF THIS COMMUNICATIO sions of time may be available under the provisions of 37 CFF SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a period for reply is specified above, the maximum statutory per re to reply within the set or extended period for reply will, by strength of the period by the Office later than three months after the med patent term adjustment. See 37 CFR 1.704(b).	N. R 1.136(a). In no event, however, may a reply be tile reply within the statutory minimum of thirty (30) day riod will apply and will expire SIX (6) MONTHS from atute, cause the application to become ABANDONE	mely filed ys will be considered timely. the mailing date of this communication. ED (35 U.S.C. § 133).			
Status						
1) Responsive to communication(s) filed on 03 August 2004.						
· <u> </u>						
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Dispositi	on of Claims					
5) 6) 7) 8)	4) Claim(s) 1-18 is/are pending in the application. 4a) Of the above claim(s) 9-18 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected.					
 9) ☐ The specification is objected to by the Examiner. 10) ☐ The drawing(s) filed on 28 August 2003 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. 						
Priority (ınder 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachmen		 □	(DTO 440)			
2) Notic 3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB r No(s)/Mail Date					

Application/Control Number: 10/652,664 Page 2

Art Unit: 2856

DETAILED ACTION

Election/Restrictions

1. Applicants' election without traverse of Group I, claims 1-8, in the reply filed on 3 August 2004 is acknowledged.

Claims 9-18 are withdrawn from further consideration pursuant to 37 CFR
 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made without traverse in the reply filed on 3 August 2004.

Priority

3. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Drawings

4. The drawings are objected to because with respect to Figure 2A, step (s16); the "d" should be deleted and inserted after the term "thickness".

Additionally, all of the steps in the various flow charts, Figs. 2A, 2B, and 5, all present the steps with a lowercase "s"; yet the specification presents all of the steps with an uppercase "S".

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate

Art Unit: 2856

prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

5. The disclosure is objected to because of the following informalities:

Page 1, paragraph [0003], line 1: The article -- a -- should be inserted prior to the term "silicon".

Page 2, paragraph [0008], line 1: The article -- a -- should be inserted prior to the term "flowchart".

Page 3, paragraph [0009], line 3: The abbreviation Figs." should be corrected to read -- Fig. --.

Page 3, paragraph [0011], line 10: The article -- a -- should be inserted after the term "detecting". Appropriate correction is required.

Claim Objections

6. Claims 1-8 are objected to because of the following informalities:

Re claim 1, claim lines 22 and 23: The phrase "said *general* oxidizing system" lacks antecedent basis.

Re claim 3, claim line 2: The "open blocks" should be replaced with -- degree designations --. Appropriate correction is required.

Allowable Subject Matter

7. The following is a statement of reasons for the indication of allowable subject matter:

Prior art was not relied upon to reject claims 1-8 because the prior art fails to teach and/or make obvious a leakage detecting method for use in an oxidizing system, comprising the steps of obtaining a correlation between a measured oxygen concentration and the oxide thickness of a test wafer for a plurality of test runs to identify an acceptable oxygen concentration corresponding to a maximum acceptable oxide thickness, wherein an oxygen concentration greater than said acceptable oxygen concentration indicates gas leakage in said oxidizing system; selecting a safety factor and multiplying the acceptable oxygen concentration with the safety factor to get a threshold oxygen concentration; and indicating a leakage condition if the measured oxygen concentration is greater than the threshold oxygen concentration in combination with all of the remaining limitations of the claim.

Application/Control Number: 10/652,664 Page 5

Art Unit: 2856

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicants' disclosure.

The prior art to Saga (JP 2000-353738 and US 6,267,158) discloses a process to prevent native oxide growth on a wafer by comparing an elapsed time with a prescribed threshold to determine which is larger and in turn notifying that the elapsed time has exceeded the threshold. The reference further discloses that trace leaks exist in a wafer holding container, which can complicate the process of growing a native oxide layer.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel S. Larkin whose telephone number is 571-272-2198. The examiner can normally be reached on 8:00 AM - 5:00 PM Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hezron Williams can be reached on 571-272-2208. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Application/Control Number: 10/652,664 Page 6

Art Unit: 2856

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Daniel Larkin AU 2856 19 October 2004

DANIELS. LARKIN PRIMARY EXAMINER